Level 1	Project Risk									
Level 2	**Environmental & Hydraulics ENV**	**Structures & Geotech STG**	**Design / PS&E DES**	**Right-of-Way** (including Access and Acquisition) **ROW**	**Utilities UTL**	**Railroad RR**	**Partnerships and Stakeholders PSP**	**Management / Funding MGT**	**Contracting and Procurement CTR**	**Construction CNS**
	ENV 10 NEPA/SEPA Documentation Completion (incl. Section 4f, etc.) --- NEPA/SEPA Challenges	STG 10 Potential Changes to Structures Design (Bridge Superstructure, Retaining Walls)	DES 10 Potential Changes to roadway design (including vertical and/or horizontal alignment, earthwork, pavement, etc.)	ROW 10 Issues Associated with Development of ROW Plan	UTL 10 Utility Design Coordination and Agreements	RR 10 Railroad Design Coordination and Agreements	PSP 10 Tribal Issues	MGT 10 Change in Project Managers and/or other key Leadership	CTR 10 Change in Project Delivery Method	CNS 10 Traffic Control and Staging Issues (MOT/WZTC)
	ENV 20 ESA Issues (incl. consultation, Biologic Assessments/Biological Opinions, Fish Passage)	STG 20 Potential Changes to Geotechnical Design Foundations, Liquefaction, Mitigation, etc. ---------- Challenging Geotech Conditions	DES 20 Approval of Design Deviations --- Changes to roadway design criteria (i.e. shoulder width, sight distance, etc.)	ROW 20 Uncertainty in Future ROW Escalation Rate (Project-Specific, including change in land use, urbanization, etc.)	UTL 20 Utility relocations and conflicts	RR 20 Railroad Coordination during construction (flagging, work restrictions, work windows, etc.)	PSP 20 Public Involvement Issues --- Other Interagency Agreements (i.e. Sound Transit, USFS, cities, counties, etc.)	MGT 20 Delayed Decision Making	CTR 20 Issues Related to Contract Language (Contract Packaging, Warranties, Liquidated Damages, DBE, Insurance/Bonding, etc.)	CNS 20 Construction Permitting Issues (incl. work restrictions)
	ENV 30 Environmental Permitting (incl. Appeals)	STG 30 Changes to Structural Design Criteria (e.g., seismic)	DES 30 Changes to Architectural, CSS, Landscape Design	ROW 30 Limited Access (Interchange Justification Report - IJR, Access Hearing, etc.)		RR 30 Contractor Right of Entry Requirements	PSP 30 Additional Scope in Response to Third Party Concerns (e.g., artwork, shared-use pathways, intersection improvements, etc.)	MGT 30 Availability of Funding / Cash Flow Restrictions	CTR 30 Delays in Ad/Bid/Award Process (Addenda, Protests, etc.)	CNS 30 Work Windows (Weather, Fish, etc.)
	ENV 40 Archaeological/Cultural Discoveries, historic property impacts & mitigation (Section 106)		DES 40 Projects by other agencies affected by or affecting this project (design coordination)	ROW 40 Managed Access (Appeal Hearing, etc.)				MGT 40 Political/Policy Changes	CTR 40 Market Conditions (non-competitive bidding environment) Lack of Qualified Bidders	CNS 40 Construction Schedule Uncertainty (general, including timing of award)
	ENV 50 Hazardous Materials Groundwater and Soil Contamination (PE, RW, CN)		DES 50 Potential Changes to Design of Permanent Traffic Items (ITS, Illumination, Intersection, etc.)	ROW 50 ROW Acquisition Issues (condemnation, relocations, demolitions, etc.)				MGT 50 State Workforce Limitations	CTR 50 Delays in Procurement of Specialty Materials or Equipment and associated cost premiums	CNS 50 Marine/ Over Water Construction Issues
	ENV 60 Wetlands / Stream / Habitat Mitigation		DES 60 Design / PS&E Reviews --- Additional Scope Driven by Internal Considerations (e.g., Maintenance, Traffic Projections, Tolling, extend project terminii, change to purpose and need, etc.)	ROW 60 Additional ROW is required (including full vs partial takes): Temporary and Permanent Access Breaks - FHWA approval --- Construction / Subterranean Easements					CTR 60 Contractor Non-Performance	CNS 70 Earthwork Issues (re-use, haul, disposal, etc.)
	ENV 70 Stormwater, Potential Changes to Flow Control or Runoff Treatment/Hydraulic Requirements								CTR 70 Availability of Specialty Labor/Labor and/or Productivity Disruptions	CNS 80 Coordination with Adjacent Projects During Construction
	ENV 80 Environmental Impacts during Construction (includng water quality, TESC etc.)									CNS 90 Contractor Access / Staging Coordination and Constructability Issues
	ENV 90 Permanent Noise Mitigation									CNS 100 Construction Accidents
	ENV 900 Other Environmental Issues	STR 900 Other STR Issues	DES 900 Other Design Issues	ROW 900 Other ROW Issues	UTL 900 Other UTL Issues	RR 900 Other RR Issues	PSP 900 Other PSP Issues	MGT 900 Other MGT Issues	CTR 900 Other CTR Issues	CNS 900 Other Construction Issues (including unanticipated change orders/claims)

The RBS provides several functions and benefits to the project team and to management, including:
1) Consistency with taxonomy (wording);
2) Organizes risk events into common categories;
3) Helps to identify trends with respect to common usage of risk event categories & event types along with their probability and impact values;
4) Helps to identify common risk events among projects that the Region and HQ offices should be aware of due to their potential cumulative effects; e.g. negotiating agreements with agencies or other municipalities;
5) Provides a basis to work from for risk elicitors during CEVP workshops;
6) Provides a basis for development of independent risk surveys for those that are unable to attend a CEVP workshop.
This RBS serves as a starting point in assessing project risks in CEVP and CRA workshops; and also for smaller projects that may not conduct a formal workshop.

RBS CODE	RISK TRIGGER (CAUSE or PRECIPITATING EVENT)		RISK EVENT	CONSEQUENCE (effect on project objectives)	PROBABILITY	IMPACT ($)	IMPACT (TIME)
ENV 10.01	As a result of…	the public involvement process	a challenge to the NEPA/SEPA document may occur	which would delay delivery of the EA document.	70%	↑$5M	8 weeks
ENV 10.02	Because of…	public pressure and internal reviews	a challenge to the level of environmental documentation may occur,	resulting in the need to prepare an EIS, adding scope and cost and lengthening the schedule.	10%	↑$0.1M	6 months
ENV 10.03	Due to…	reviews by WSDOT Environmental	the design information may be deemed inadequate for NEPA/SEPA approval	leading to additional design work, added cost, and schedule delays.	10%	↑$0.1M	4 months